

- 

KEY PLAN

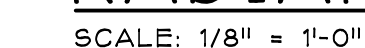
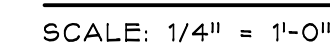
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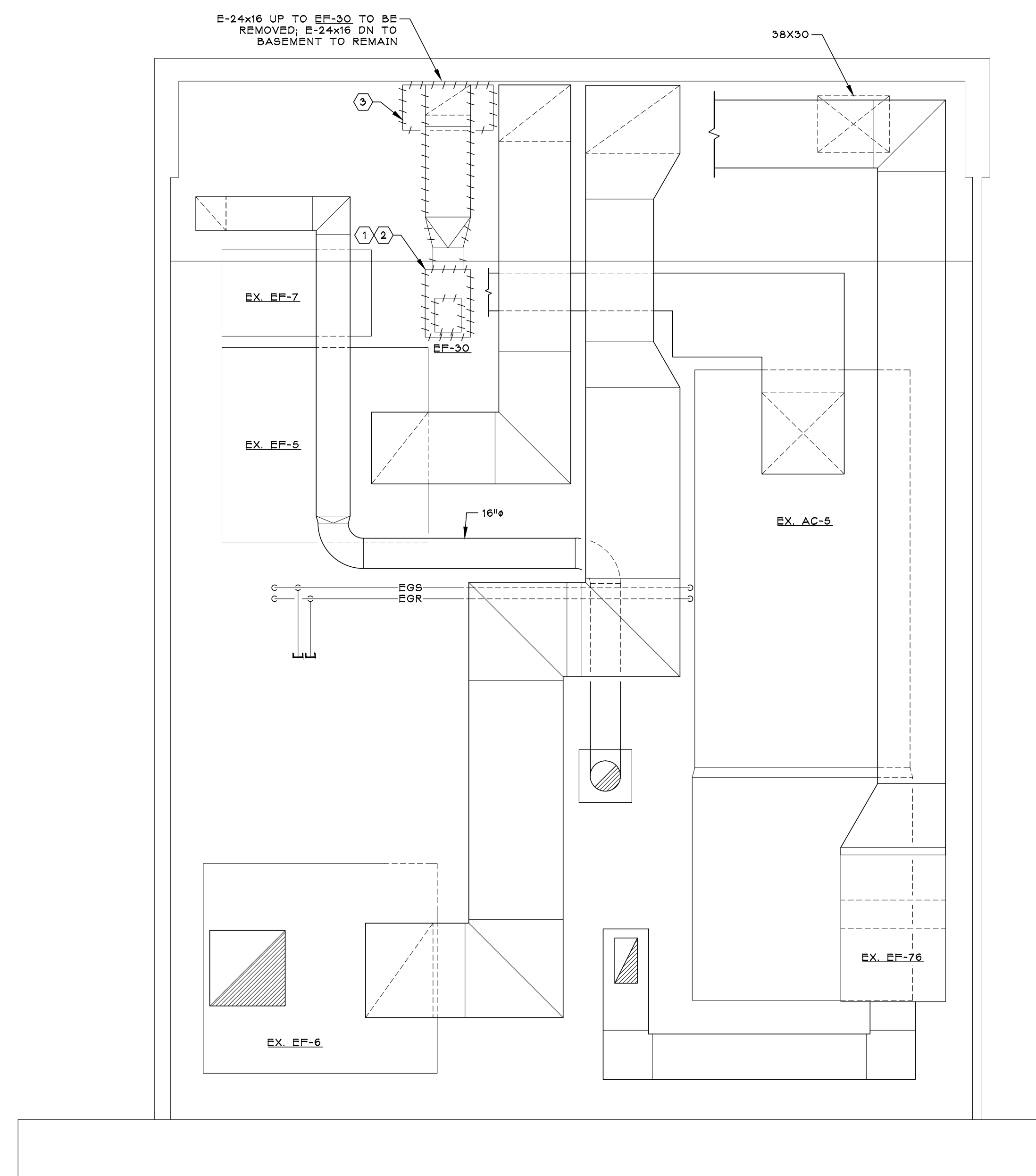
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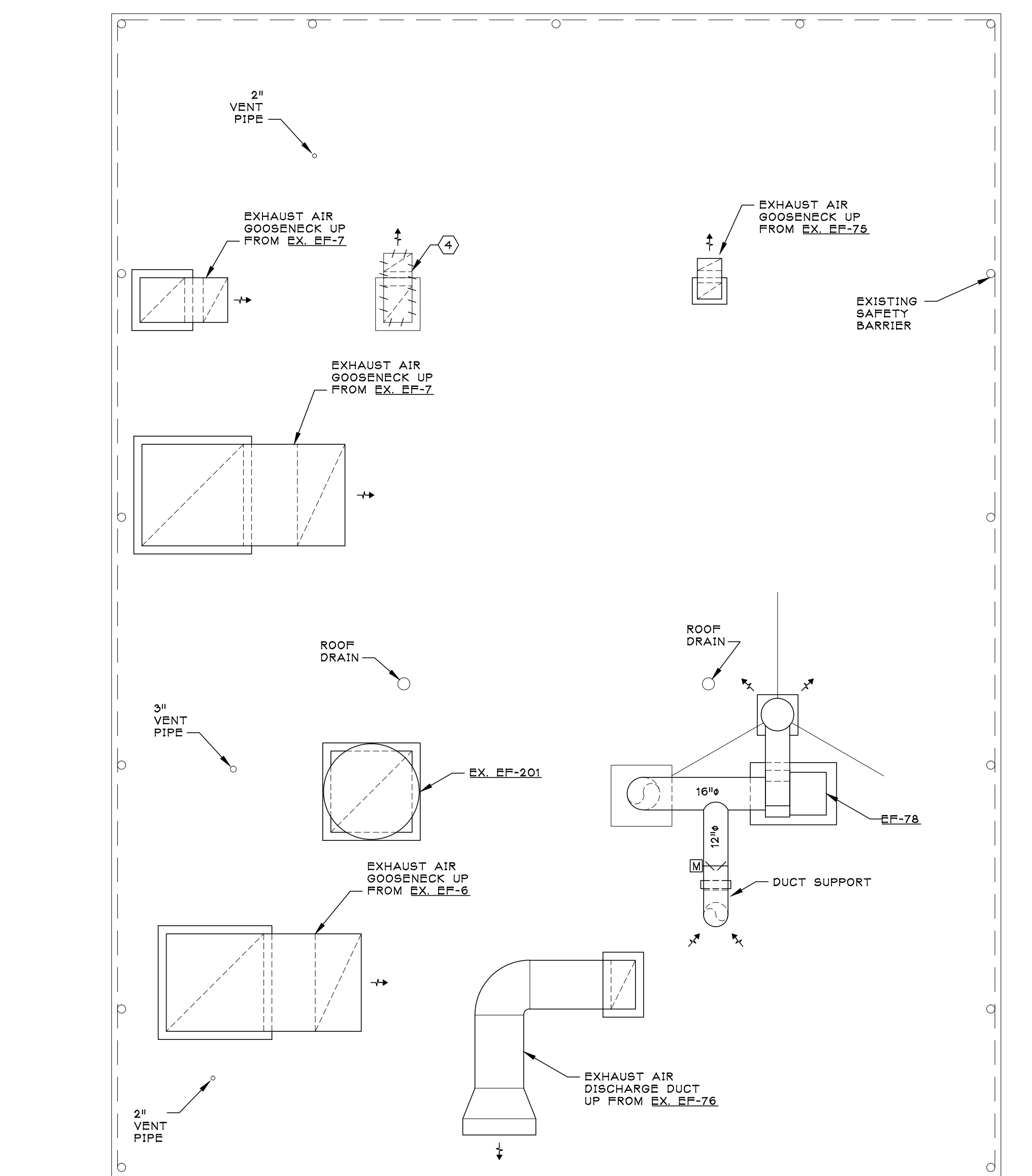
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- NTS

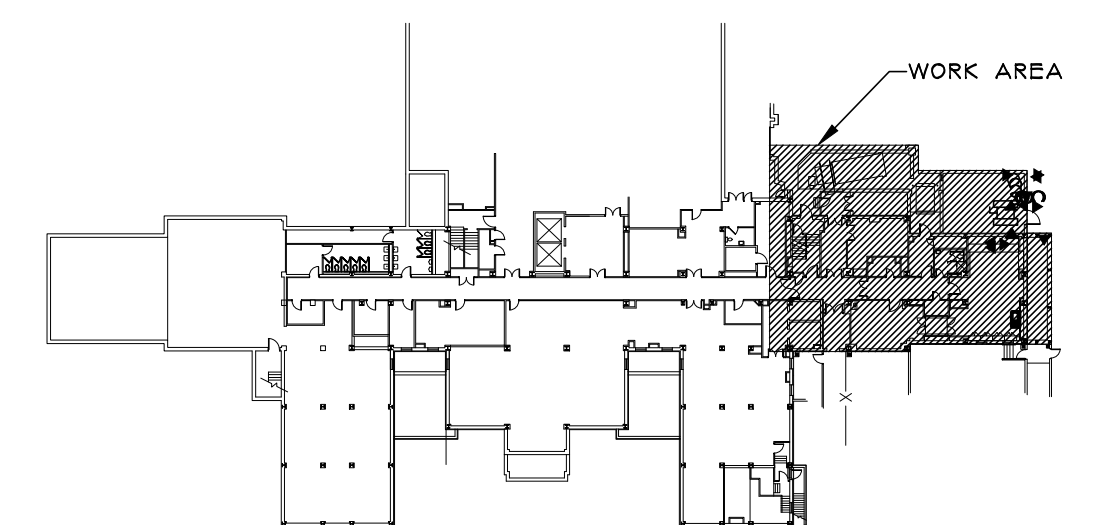


9TH FLOOR SHAFT-2 HVAC DEMOLITION PLAN  
SCALE: 1/4" = 1'-0"



ROOF LEVEL SHAFT-2 HVAC DEMOLITION PLAN  
SCALE: 1/4" = 1'-0"

- KEYED NOTES:
- 1 REMOVE DUCTWORK UP THRU ROOF PENETRATION. RETAIN OPENING AND CURB FOR NEW DUCT.
  - 2 REMOVE EXISTING EF-30 INCLUDING ALL ASSOCIATED DUCTWORK, CONTROLS HANGERS ETC.
  - 3 REMOVE EXISTING HEPA FILTER HOUSING INCLUDING ALL ASSOCIATED SUPPORTS AND APPURTENANCES. REMOVE ALL ASSOCIATED EXHAUST DUCTWORK DN TO BASEMENT LEVEL SEE SHEET MD-101 FOR CONTINUATION.
  - 4 EXHAUST AIR GOOSENECK UP FROM EF-30 TO BE REMOVED. EXISTING OPENING AND CURB SHALL REMAIN FOR NEW DUCT PENETRATION.



KEY PLAN  
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Revisions	Date

**IPD: Engineering**  
INTEGRATED PROJECT DELIVERY  
ONE WEBSTER'S LANDING  
SYRACUSE, NEW YORK 13202  
315.423.0185  
IPD PROJECT No: 12-7304-8

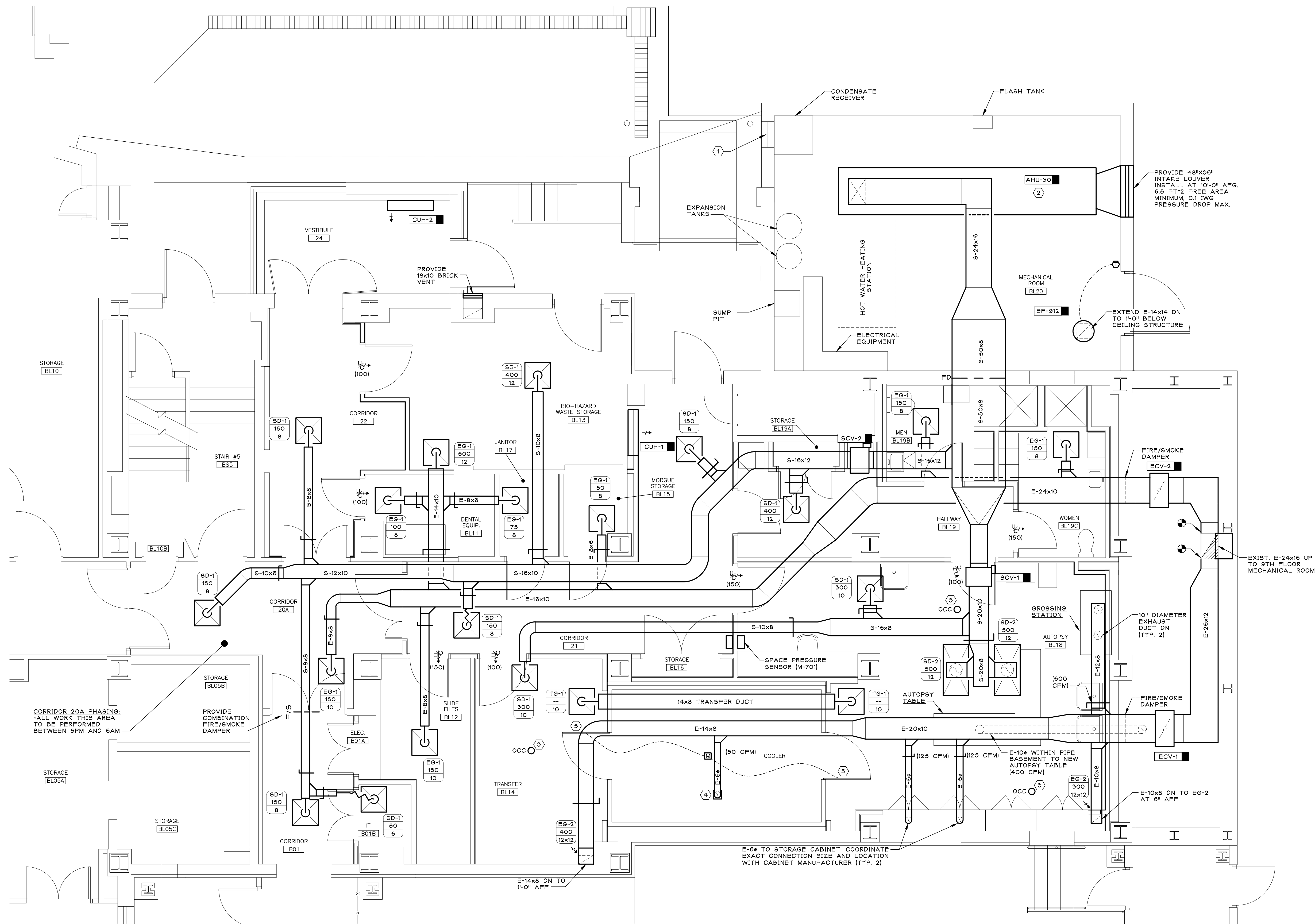
**Schopfer Architects LLP**  
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SYRACUSE, NY 13203  
315-474-6501  
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Drawing Title  
**SHAFT -2 DEMOLITION PLANS**  
SA # 1134

Project Title  
**MORGUE RENOVATIONS**  
Building Number  
1  
Location  
SYRACUSE, NY

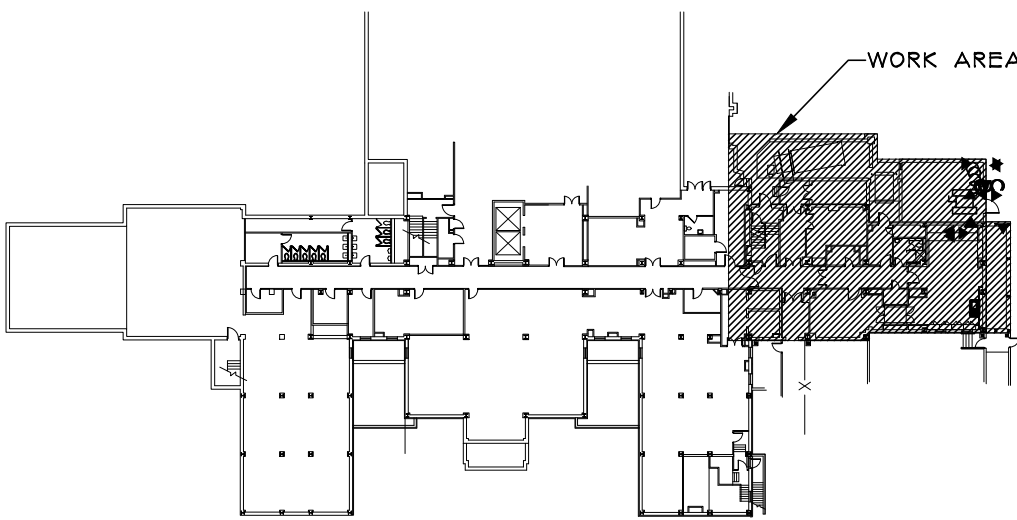
Date  
04/03/13  
Project No.  
528A7-12-710  
DRAWING NO.  
**MD103**  
Dwg. 20 of 35

**VA HEALTHCARE NETWORK**  
UP-STATE NEW YORK  
Department of Veterans Affairs



NEW DUCTWORK PLAN 1  
SCALE: 1/4" = 1'-0"

- KEYED NOTES:
- 1 EXISTING INTAKE LOUVER TO REMAIN. REPLACE ASSOCIATED MOTORIZED DAMPER AND ACTUATOR. INTERLOCK DAMPER WITH E-82.
  - 2 PROVIDE NEW AHU-30 IN LOCATION OF PREVIOUS AHU. MODIFY EXISTING STEEL SUPPORT FRAME AS NECESSARY TO ACCOMMODATE NEW AIR HANDLING UNIT. DIMENSIONS AND WEIGHT. INCLUDE ALL RELATED COMPONENTS: INCLUDING BUT NOT LIMITED TO CASING, DUCTWORK, FAN, HEATING COIL, COOLING COIL, HUMIDIFIER, HEAT EXCHANGER, FILTERS AND CONTROLS.
  - 3 PROVIDE CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR TO CONTROL OCCUPIED AND UNOCCUPIED VENTILATION MODES.
  - 4 E-6\"/>
  - 5 PROVIDE DOOR CONTACT SWITCHES AND INTERLOCK WITH EXHAUST DAMPER TO OPEN DAMPER WHEN EITHER DOOR IS OPENED.



KEY PLAN 1  
NTS NORTH

Revisions	Date

**IPD: Engineering**  
INTEGRATED PROJECT DELIVERY  
ONE WEBSTER'S LANDING  
SYRACUSE, NEW YORK 13202  
315.423.0185  
IPD PROJECT No: 12-7304-8

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Drawing Title	DUCTWORK PLANS
Project Title	MORGUE RENOVATIONS
Building Number	1
Location	SYRACUSE, NY
SA #	1134

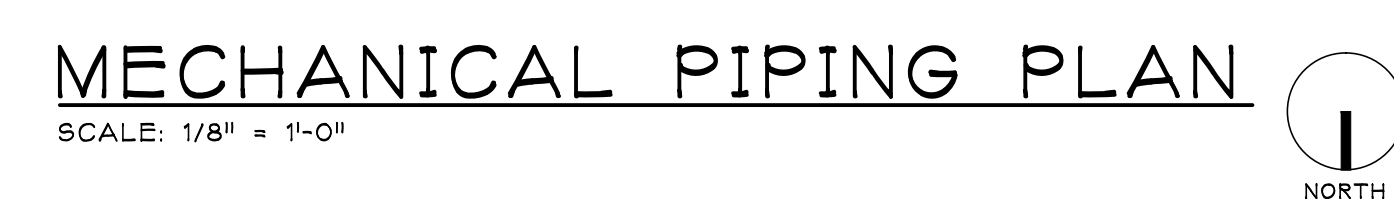
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Building Number	1
Location	SYRACUSE, NY

Date	04/03/13
Project No.	528A7-12-710
Drawing No.	MH101
Dwg.	21 of 35

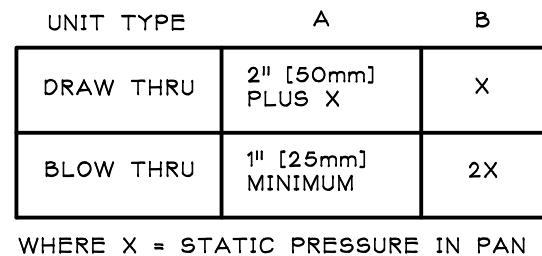
**VA HEALTHCARE NETWORK**  
UP-STATE NEW YORK  
Department of Veterans Affairs



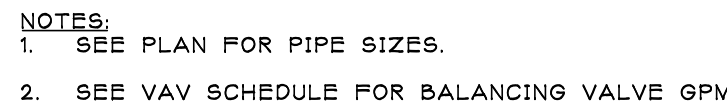




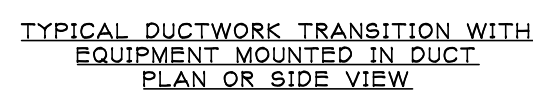
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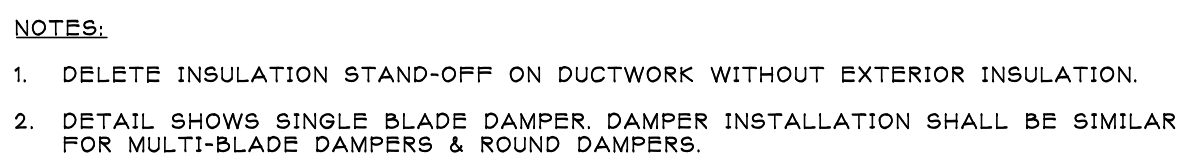
NOT TO SCALE



NOT TO SCALE



SCALE: NONE



SCALE: NONE



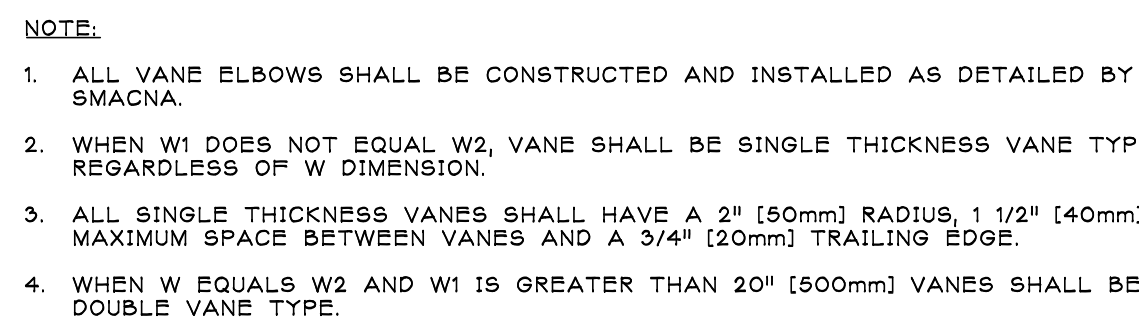
1. SECURE CURBS CAP TO WOOD NAILING STRIP WITH 3/8" [10mm] CADMIUM PLATED LAG BOLTS NOT OVER 12" [300mm] ON CENTER.
2. SECURE ROOF CURBS, DUCTWORK AND DAMPER TO ROOF WITH EXPANSION BOLTS (CONCRETE ROOF) OR RUST RESISTANT BOLTS (METAL DECK AND JOIST ROOF).
3. RUN ELECTRICAL LINES THROUGH CLEARANCE HOLE PROVIDED IN GRAVITY DAMPER, THEN THROUGH VENTILATOR ELECTRICAL CONDUIT GUIDE.
4. FLASH CURBS TO ROOF, MAINTAIN ANY EXISTING WARRANTIES AND ENSURE A WEATHER PROOF SEAL.

NOT TO SCALE

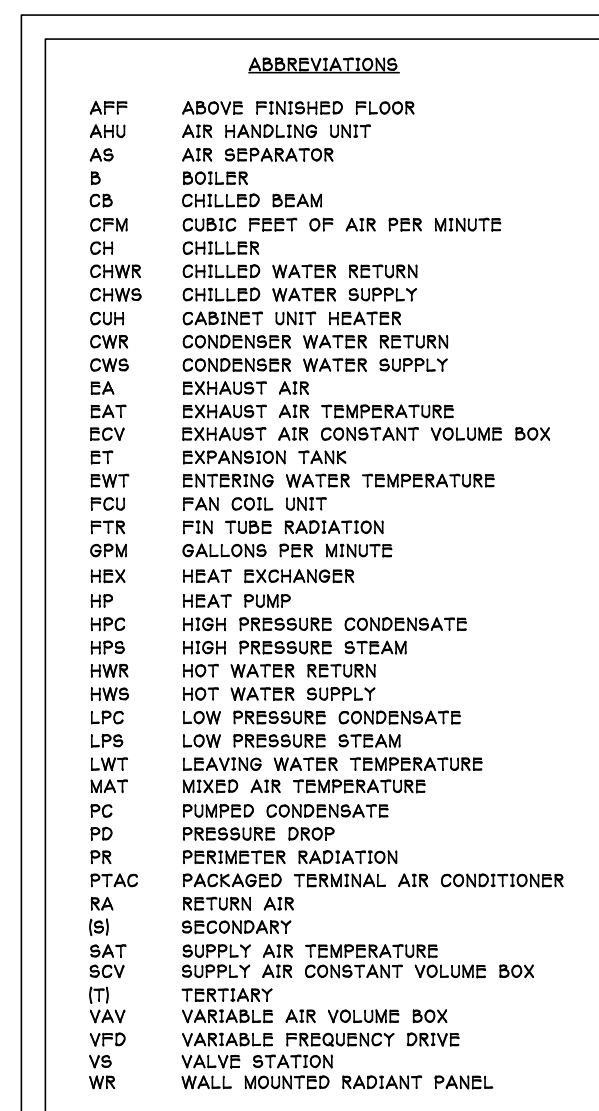


- THE OPERATION OF VARIABLE AIR VOLUME TERMINAL BOX IS AFFECTED BY EXCESSIVE  
1. AIR FLOW. AIR FLOW THROUGH THE TERMINAL BOX SHOULD BE MAINTAINED. TERMINAL BOX  
MUST NOT BE INSTALLED TOO CLOSE TO MAIN DUCTS, ELBOWS AND FITTINGS.
2. WHEN MINIMUM UPSTREAM STRAIGHT DUCT CONNECTION TO TERMINALS AS INDICATED  
ABOVE CANNOT BE MAINTAINED, PROVIDE ORIFICE PLATE, STRAIGHTENING VANES OR  
CONDUITS TO MAINTAIN AIR FLOW THROUGH THE TERMINAL BOX MANUFACTURER AND SUBMIT TO  
ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
3. DDC PANELS & MOTORS FOR NEW VAV TERMINAL BOXES SHALL BE PROVIDED BY CONTROLS  
MANUFACTURER AND SHALL BE DELIVERED TO VAV BOX MANUFACTURER. DDC PANEL SHALL  
BE PROVIDED BY CONTROLS MANUFACTURER TO VAV BOX MANUFACTURER. VAV BOX  
BOX MANUFACTURER SHALL FACTORY MOUNT DDC CONTROLLER & MOTOR ON LEFT OR RIGHT  
SIDE OF VAV BOX TO VAV BOX MANUFACTURER. VAV BOX MANUFACTURER SHALL  
PROVIDE ALL SENSORS & DAMPER WITH LINKAGES.
4. ARRANGE ACCESS TO PERMIT EASY FIELD BALANCE AND MAINTENANCE OF TERMINAL UNIT.

NOT TO SCALE

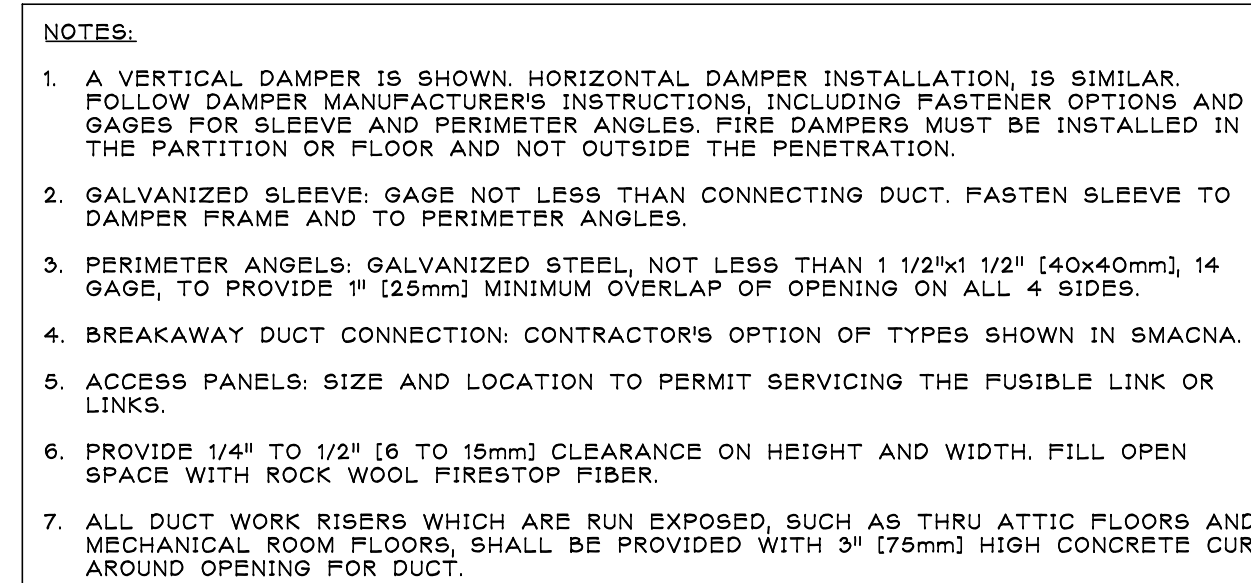
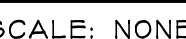


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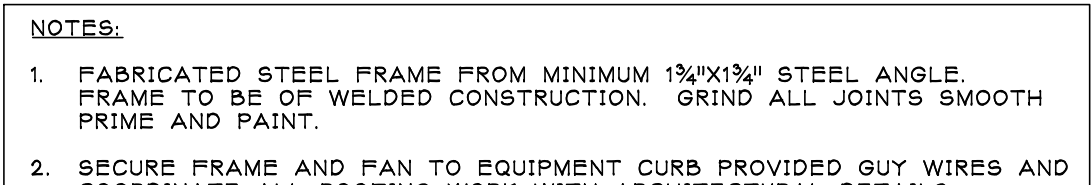


- GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDING IN THE CONTRACT. IT IS NOT NECESSARILY TO BE CONSIDERED A COMPLETE AND DETAILED DESIGN COMPONENT; HOWEVER, CONTRACT DOCUMENTS REQUIRE COMPONENTS TO BE SHOWN WHERE THEY ARE TO BE INSTALLED. CONTRACTOR SHALL SPECIFY TO MAKE THE SYSTEMS BEING INSTALLED COMPLETE, CODE COMPLIANT, TESTED AND OPERATIONAL.
2. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND DEPTHS PRIOR TO BEGINNING WORK.
3. ALL MATERIALS, EQUIPMENT, METHODS OF INSTALLATION, REMOVALS AND DISPOSAL SHALL BE IN ACCORDANCE WITH THE STANDARDS, SPECIFICATIONS, CODES AND LAWS OF LOCAL, STATE AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE JURISDICTION OVER THE PROJECT.
4. CONTRACTOR SHALL PERFORM WORK, PROVIDE MATERIALS AND EQUIPMENT FOR SYSTEMS SHOWN, SPECIFIED AND DESCRIBED ON DRAWINGS, COMPLETELY. CONTRACTOR SHALL TRAIN AND INSTRUCT PERSONNEL TO COMPLETE AND FULLY FUNCTIONAL INSTALLATION. ALL WORK IN THIS SET TO BE COMPLETED UNDER THIS CONTRACT, UNLESS OTHERWISE INDICATED.
5. PROTECT ALL EXISTING AND NEW BUILDING ELEMENTS FROM DAMAGE. CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGE TO ORIGINAL OR BETTER CONDITION.
6. WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE CITY. CONTRACTOR SHALL MAINTAIN MAXIMUM HEAD ROOM AT ALL TIMES; DO NOT RUN PIPES, CONDUITS OR TRAYS UNDER EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWINGS.
7. MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN MANUFACTURERS EQUIPMENT CLEARANCES.
8. CONTRACTOR IS RESPONSIBLE FOR ALL WORK RELATED TO ISOLATING, DRAINING, AND TESTING THE SYSTEM TO BE ALLOWED TO ALLOW FOR COMPLETION OF WORK. INTERRUPTIONS TO EXISTING SERVICES SHALL BE MINIMIZED AND COORDINATED WITH THE CITY AT A TIME AND DURATION APPROVED BY THE OWNER AND UTILITY AS WELL AS THE CITY. INCLUDE ALL WORK TO BE ASSOCIATED WITH ANY INTERRUPTIONS. ALL SYSTEM INTERRUPTIONS SHALL BE SCHEDULED WITH OWNER, UTILITY AND COORDINATED WITH OTHER TRADE WORK.
9. ALL EQUIPMENT PIPING, WIRING, INSULATION ETC. INSTALLED IN HVAC SYSTEMS SHALL MEET CITY MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
10. SEAL ALL PENETRATIONS THROUGH PIERCE RATED WALLS, PARTITIONS AND FLOORS TO PREVENT THE PASSAGE OF MATERIALS, EQUIVATIONS TO FIRE RATING OF ASSEMBLY.
11. PROVIDE PROPER ACCESS TO EQUIPMENT THAT REQUIRES INSPECTION, MAINTENANCE OR REPAIR. PROVIDE ACCESS TO EQUIPMENT TO ALLOW A MINIMUM OF 12"X24", UNLESS OTHERWISE NOTED.
12. DO NOT SUPPORT EQUIPMENT FROM SUSPENDED CEILINGS. ALL SUPPORT SHALL BE FROM BUILDING STRUCTURE OR FROM CEILING JOISTS. ALL SUPPORT WITHIN WORK AREA BEING REINFORCED. SUPPORT SHALL BE SELECTED AND INSTALLED TO PROVIDE A VIBRATION FREE SUPPORT.
13. PRIOR TO CONSTRUCTION, ENLIST A CERTIFIED TESTING & BALANCING AGENCY TO DETERMINE BASELINE AIR AND PRESSURE VALUES. PROVIDE A WRITTEN REPORT OF FINDINGS TO THE "AHSU-30". PROVIDE A WRITTEN REPORT OF THE FINDINGS TO THE CITY OR THE ENGINEER.
14. THESE GENERAL NOTES APPLY TO ALL DRAWINGS.
15. ISSUED IN CONJUNCTION WITH TRADE.



SCALE: NONE



SCALE: NONE

[illegible]

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IPD PROJECT No: 12-7304-8



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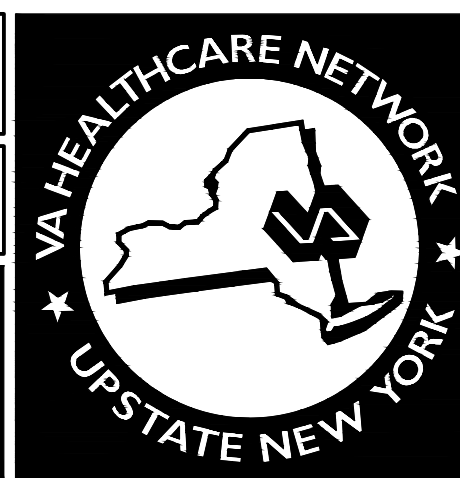
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04/03/13

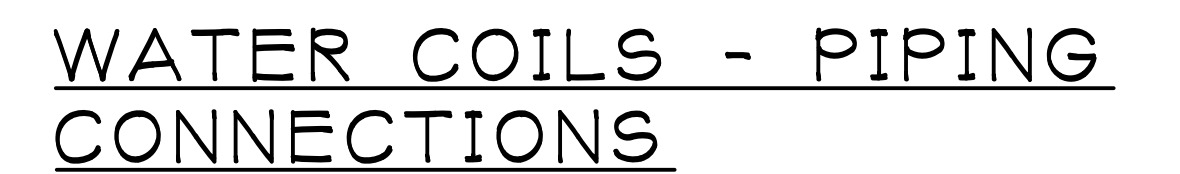
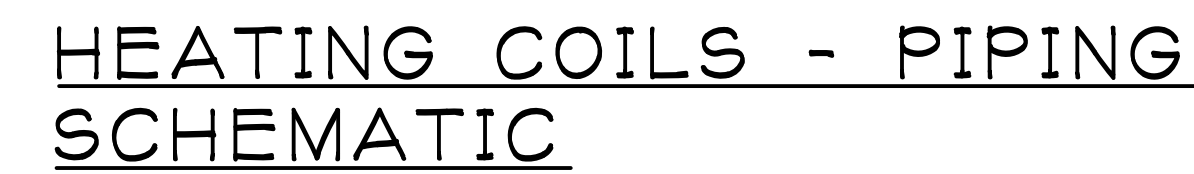
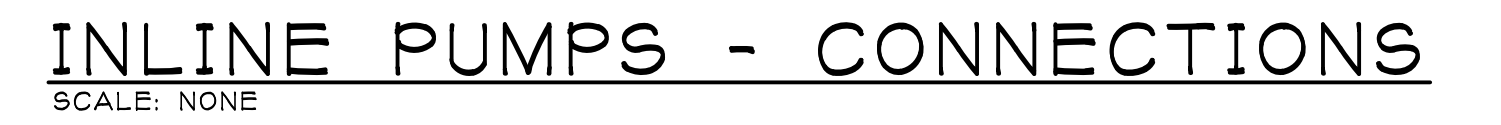
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DRAWING NO.  
**M 50**

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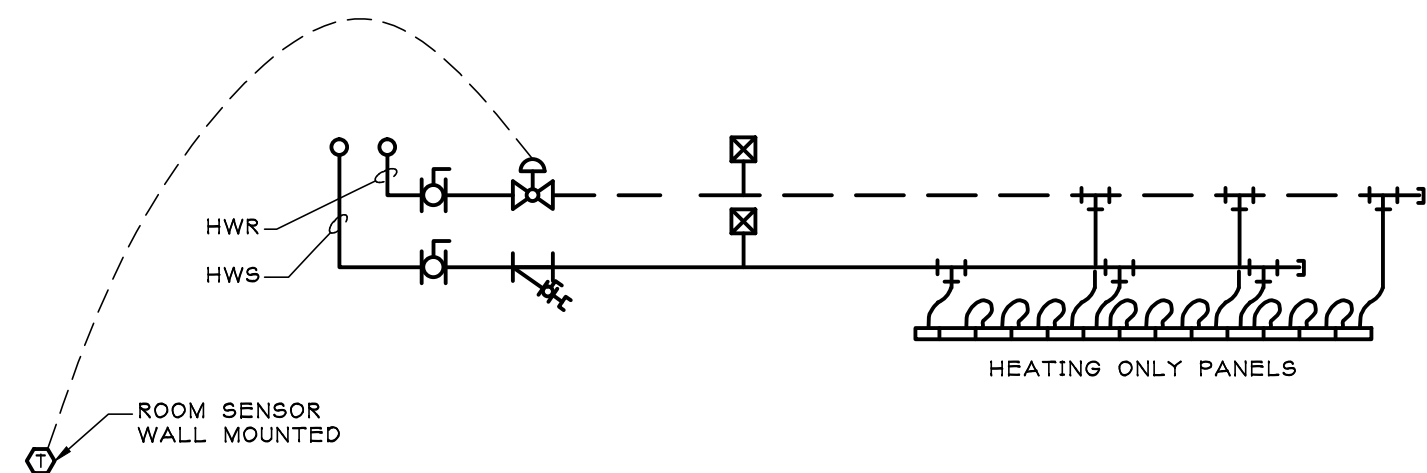


Department of  
Veterans Affairs

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PROVIDE SEQUENCE OF OPERATION FOR RADIATION BY DDC SYSTEM

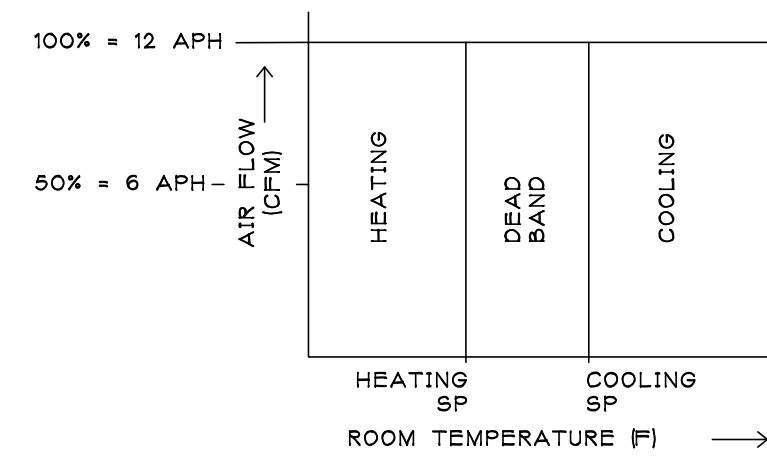
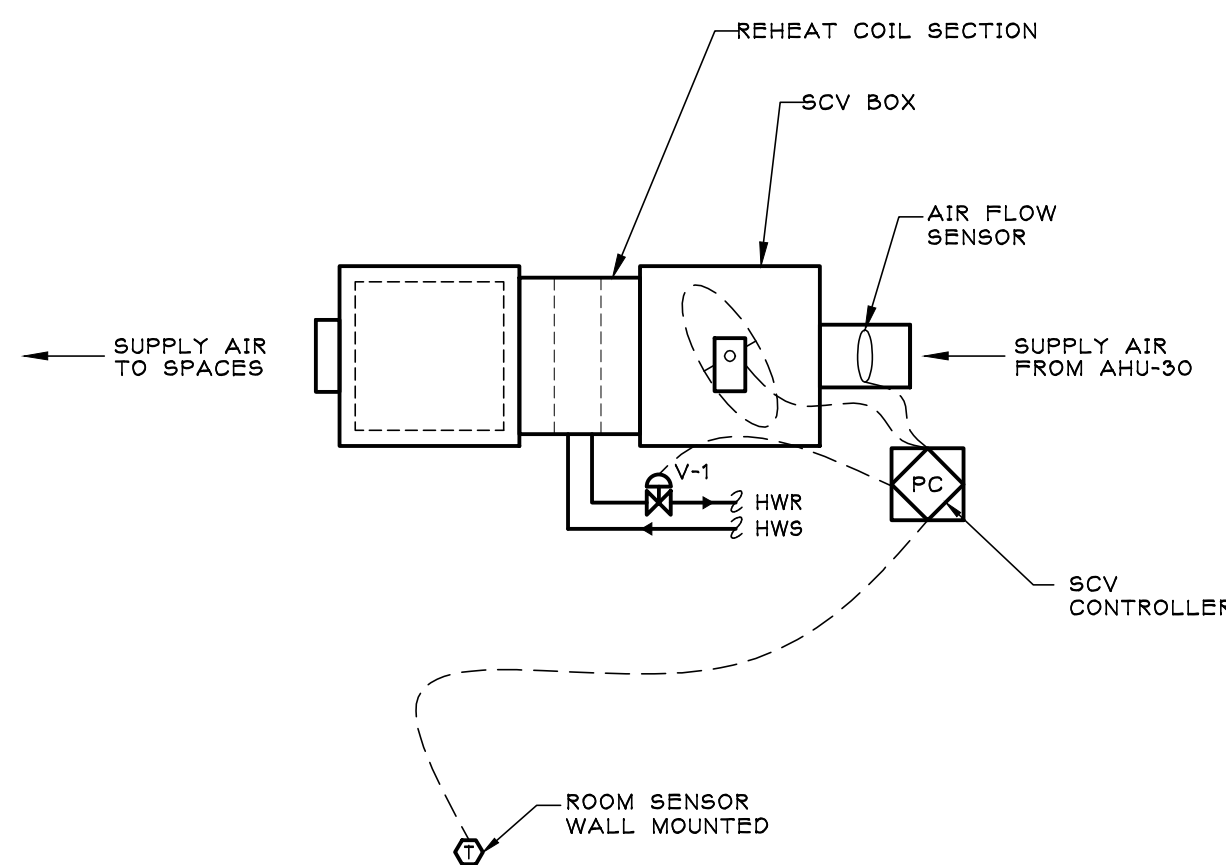
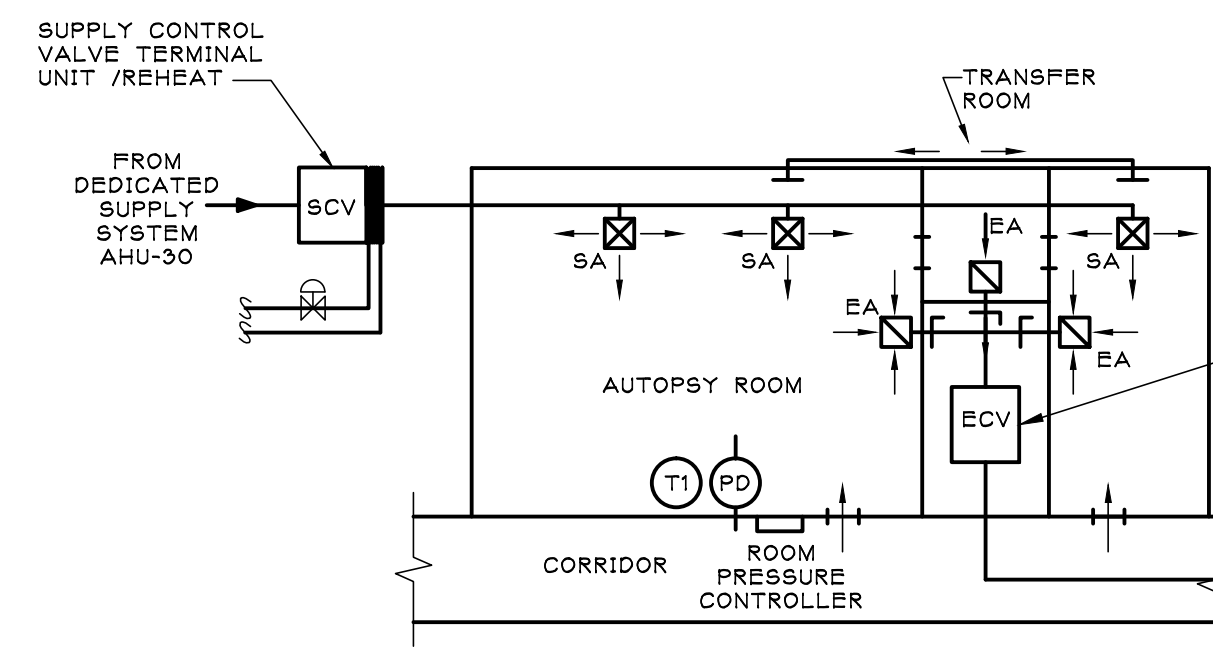
1. INDIVIDUAL SPACE TEMPERATURES SHALL BE MAINTAINED BY MODULATING THE HWR VALVE
2. WHEN SPACE TEMPERATURE IS SATISFIED HWR VALVE REMAIN CLOSED.
3. IN THE EVENT OF A POWER LOSS HWR WILL FAIL CLOSED
4. HEATING SETPOINT IS 70F (ADJ.)

## RADIANT PANEL PIPING SCHEMATIC PIPING SCHEMATIC - CONTROL DIAGRAM

SCALE: NONE

PROVIDE SEQUENCE OF OPERATION FOR MAINTAINING AND MONITORING NEGATIVE PRESSURE FOR MORGUE BY DDC SYSTEM

- A. MONITOR AND CONTROL NEGATIVE PRESSURE OF AUTOPTSY AND HOLDING ROOMS. PRESSURE CONTROL IS ACCOMPLISHED BY MODULATING THE EXHAUST CONTROL VALVE (ECV) TO ADJUST THE VOLUME OF EXHAUST AIR FROM THE ASSOCIATED SPACE. SUPPLY AIR IS HELD CONSTANT BY SUPPLY CONTROL VALVE (SCV) SUBJECT TO INDEXING BETWEEN OPERATING MODES.
- B. PROVIDE THROUGH THE WALL DIFFERENTIAL SENSING BETWEEN PATIENT ROOM AND ADJACENT CORRIDOR
- C. SYSTEM WILL INDEX BETWEEN TWO OPERATING MODES USING OCCUPANCY SENSORS AND/OR SIGNAL FROM DOOR CONTACTS AND PRESSURE SENSORS.
- UNOCCUPIED MODE: ECV SHALL MODULATE TO MAINTAIN -0.00 (ADJ) PRESSURE DIFFERENTIAL, SUPPLY CONTROL VALVE (SCV) SHALL PROVIDE 6 ACPH AS SCHEDULED.
  - OCCUPIED MODE - ECV SHALL MODULATE TO MAINTAIN -0.01 (ADJ) PRESSURE DIFFERENTIAL, SUPPLY CONTROL VALVE (SCV) SHALL PROVIDE 12 ACPH.
  - ALARM - INDICATE AN ALARM IF SYSTEM FAILS TO MAINTAIN DIFFERENTIAL PRESSURE SET POINT AFTER AN ADJUSTABLE DELAY TO ALLOW FOR DOORS TO BE OPENED AND CLOSED (60 SECONDS ADJUSTABLE).
  - ADJUST SUPPLY AIR TO LAG EXHAUST ADJUSTMENTS TO MAINTAIN NEGATIVE PRESSURE AT ALL TIMES.
  - SYSTEM TO RETURN TO IN-ACTIVE MODE 2 HOURS (ADJUSTABLE) AFTER OCCUPANCY SENSORS CEASES TO DETECT ACTIVITY.
- D. ALARM STATUS TO BE ANNUNCIATED WITH LOCAL AUDIBLE AND VISUAL SIGNAL AND REMOTE INDICATION TO CENTRAL MONITORING POINT. PROVIDE A 60 SECOND (ADJ) DELAY FOR ALARM CONDITIONS TO PREVENT NUISANCE TRIPS WHEN DOORS ARE OPENED AND CLOSED AS SENSED BY DOOR CONTACT SWITCH. PROVIDE LOCAL AUDIBLE SIGNAL SILENCING.
- E. AIR CONTROL VALVES TO BE LINEAR ACTING PRESSURE INDEPENDENT.
- F. ROOM PRESSURE CONTROL TO BE TRIATEK PMB-1850 OR APPROVED EQUAL. EXHAUST CONTROL VALVE (ECV) TO BE TEK-AIR AV2000 OR APPROVED EQUAL.



PROVIDE SEQUENCE OF OPERATION FOR SCV BOX ASSOCIATED WITH NEGATIVE PRESSURE ISOLATION ROOMS BY DDC SYSTEM:

- OCCUPIED MODE:
- A. SCV BOX WILL PROVIDE THE SCHEDULED VOLUME OF SUPPLY AIR TO ITS ASSIGNED SPACE. THE SCV WILL BE INDEXED BY THE ASSOCIATED ROOM PRESSURE CONTROLLER TO PROVIDED EITHER 12 ACPH OR 6 ACPH. AIR FLOW WILL BE MODULATED USING PRESSURE INDEPENDENT DEVICE WITH CALIBRATED AIRFLOW MEASURING CAPABILITIES.
- B. MODULATE CONTROL VALVE V-1 TO MAINTAIN SPACE SET POINTS AS FOLLOWS:  
COOLING 72F (ADJ)  
HEATING 68F (ADJ)  
DEADBAND OF 2F BETWEEN HEATING AND COOLING SET POINTS WILL BE MAINTAINED (PROVIDE ADJUSTABLE TOLERANCE OF 1.5 F TO PREVENT VALVE HUNTING).

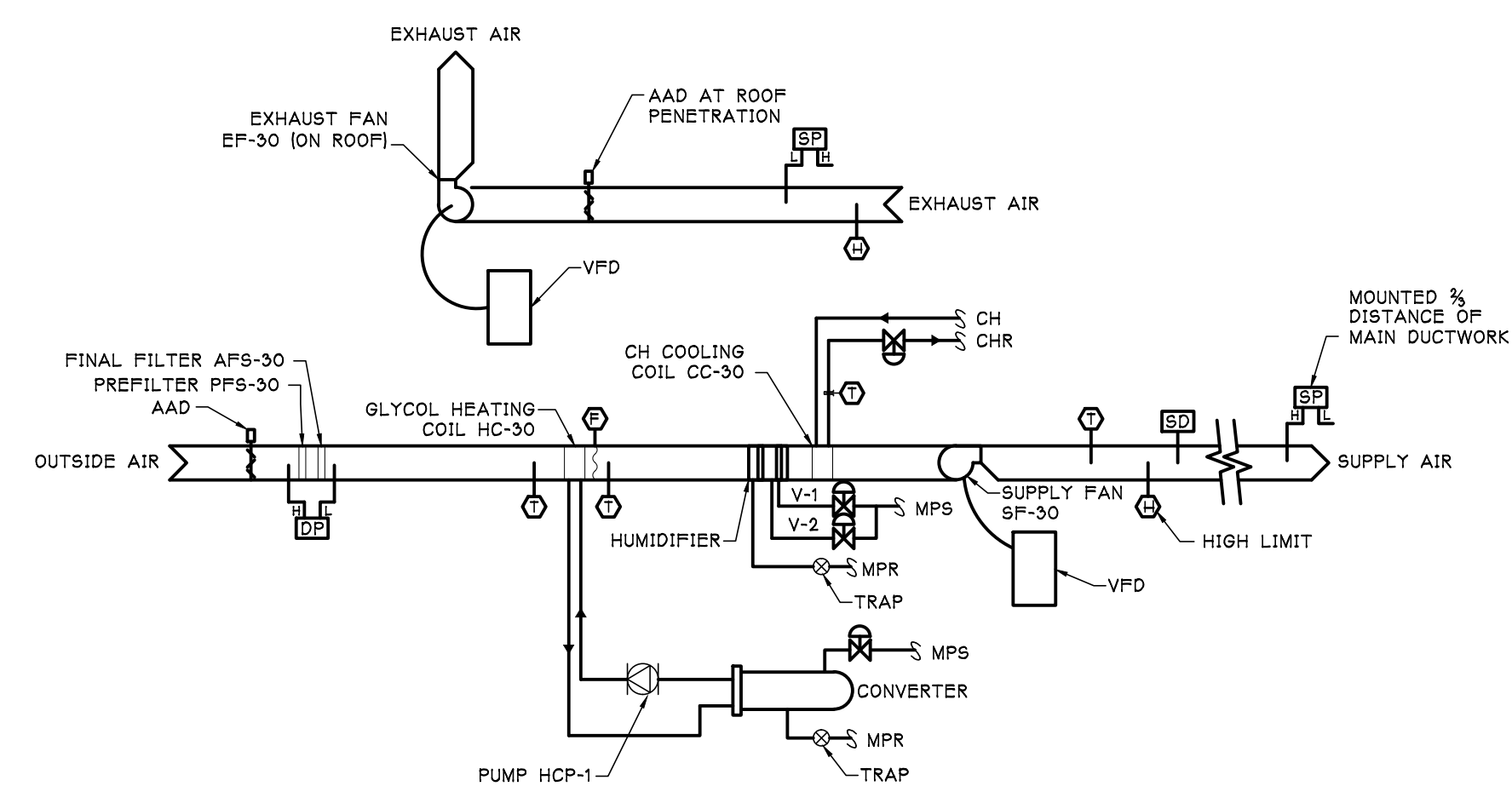
- UNOCCUPIED MODE (HEATING):
- A. SET POINT SHALL BE 55F (ADJ.)
- B. MODULATE VALVE V-1 TO MAINTAIN SET POINT  $\pm$  5 F.

## SUPPLY AIR CONTROL VALVE (SCV) TERMINAL UNIT W/REHEAT - CONTROL DIAGRAM

SCALE: NONE

## NEGATIVE PRESSURE MORGUE MONITORING AND EXHAUST CONTROL VALVE (ECV) AND SUPPLY CONTROL VALVE (SCV) CONTROL DIAGRAM

SCALE: NONE



NOTE: REPLACE ALL EXISTING PNEUMATICS DEVICES WITH ELECTRONIC. EXISTING SENSORS MAY BE RE-USED. ANY DEVICE BEING RE-USED MUST BE RE-CALIBRATED AND DOCUMENTED IN WRITING.

## AHU-30 & EF-30 FLOW DIAGRAM

NTS

PROVIDE SEQUENCE OF OPERATION FOR AHU-30 AND EF-30

- A. OCCUPIED MODE:
1. DAMPERS - OPEN OUTSIDE AIR AND EXHAUST AIR DAMPERS TO FULLY OPEN POSITION AS INDICATED BY END SWITCHES
  2. SUPPLY FAN AND EXHAUST FANS - RUN CONTINUOUSLY ONCE END SWITCHES ARE PROVIDED. MODULATED SPEED OF THE SUPPLY AND EXHAUST FANS USING VARIABLE FREQUENCY DRIVES. MAINTAIN SYSTEM STATIC PRESSURE SET POINTS. LOCATE STATIC PRESSURE SENSOR APPROXIMATELY 1/3 DISTANCE OF PRIMARY DUCT RUNS.
  3. DISCHARGE TEMPERATURE - MAINTAIN A SUPPLY AIR TEMPERATURE AS SCHEDULED BY SEQUENCING THE PRE-HEAT SYSTEM AND COOLING AS NEEDED.
- OA TEMPERATURE OF 90F  
SA TEMPERATURE OF 55F
- COOLING - ON CALL FOR COOLING MODULATE CHILLED WATER VALVE TO MAINTAIN SA TEMPERATURE SET POINT.
- PRE-HEAT SYSTEM - ON CALL FOR HEAT START AND RUN HCP-1 CONTINUOUSLY AND MODULATE STEAM VALVE ASSOCIATED WITH STEAM TO HOT GLYCOL CONVERTER TO MAINTAIN SCHEDULED DISCHARGE AIR TEMPERATURE.
- B. HUMIDIFICATION - RETURN (OR EXHAUST) AIR HUMIDITY SHALL BE MONITORED ON A CALL FOR HUMIDIFICATION. HUMIDIFIER VALVE V-1 SHALL MODULATE TO MAINTAIN THE RETURN (OR EXHAUST) AIR HUMIDITY SET POINT TO 30% (ADJUSTABLE) PRIOR TO ACTIVATION OF V-1. THE ON/OFF CONTROL VALVE V-2 SHALL BE ENABLED THROUGH ECC AND JACKET TEMPERATURE SENSED BY TSH SHALL BE WARM ENOUGH TO PREVENT CONDENSATION. THE HIGH LIMIT HUMIDITY SENSOR, LOCATED IN THE SUPPLY AIR DUCT TO FEET AWAY FROM THE HUMIDIFIER SHALL DISABLE THE HUMIDIFIER AND GIVE AN ALARM SIGNAL TO THE ECC. IF THE SUPPLY AIR HUMIDITY EXCEEDS 60% RH (ADJUSTABLE), THE AIRFLOW SWITCH SHALL PROVE AIRFLOW BEFORE HUMIDITY CONTROLS ARE ACTIVATED.
- OA TEMPERATURE OF 55F  
RET/EX HUMIDITY OF 45%
- C. UNOCCUPIED/SHUTDOWN: SUPPLY AND EXHAUST FANS TO BE OFF, CLOSE OA AND EA DAMPERS, STOP PRE-HEAT PUMP AND CLOSE HUMIDIFIER VALVE. CYCLE SUPPLY AND EXHAUST FANS OA AND EA DAMPERS, PRE-HEAT PUMP AND PRE-HEAT COIL TO MAINTAIN UNOCCUPIED TEMP SET POINT (60F ADJUSTABLE).
- E. MONITOR/ALARM - MONITOR AND REPORT CONDITION OF FANS, PUMPS, FILTER, AND HUMIDITY HIGH LIMIT.
- F. SAFETY SHUTDOWN - SHUT DOWN SUPPLY FAN, CLOSE OA DAMPER AND REPORT ALARM WHEN DUCT SMOKE DETECTOR OR FREEZE/STAT TRIPS. MANUAL RESET REQUIRED TO RESTART UNITS. EF TO CONTINUE TO RUN SUBJECT TO A HIGH PRESSURE LIMIT.

KEYED NOTES:

1. PROVIDE VALVE POSITION INDICATOR WITH ALARM TO EMS WHEN VALVE IS OPEN.
2. PROVIDE SIGN WITH VALVE SCHEDULE AND PROCEDURE FOR CHANGING FROM CHILLED WATER OPERATION TO DOMESTIC WATER OPERATION.
3. REMOVE EXISTING DOM. COLD WATER PIPING BACK TO POINT OF NEW CONNECTIONS.
4. PROVIDE NEW FLOOR PENETRATIONS AND 1/2" CHWS & CHWR PIPING FROM BELOW.
5. HOT TAP CHILLED WATER LINES, NO SHUTDOWN OR DRAINING OF MAINS ALLOWED.

## CONDENSER VALVE SCHEDULE

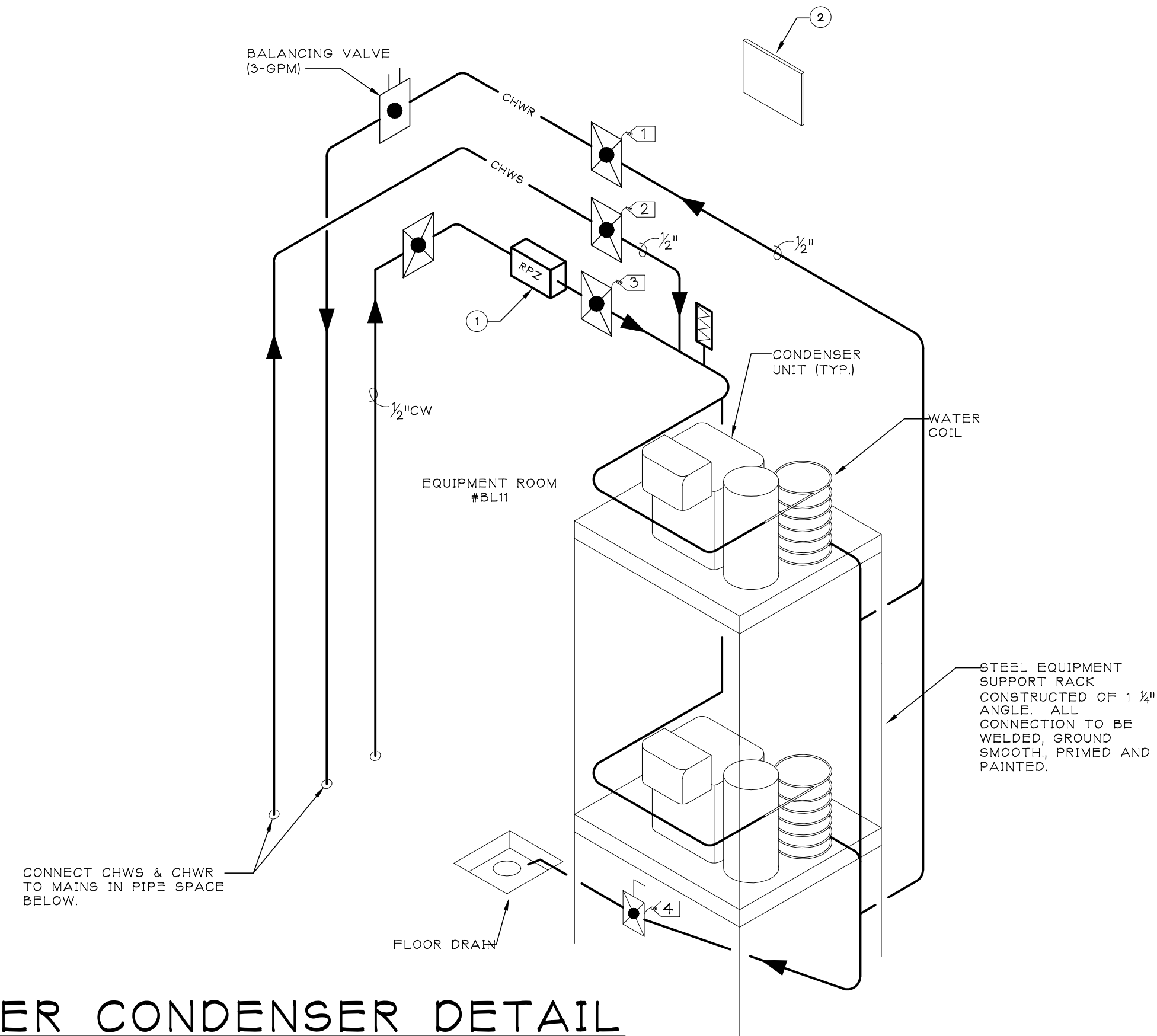
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2. DOMESTIC WATER OPERATION	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>

KEY: ☒ CLOSED ☐ OPEN

NOTE: DOMESTIC WATER OPERATION FOR EMERGENCY USE ONLY.

PROVIDE SEQUENCE OF OPERATION BY DDC SYSTEM:

- MONITOR THE STATUS OF THE DOMESTIC WATER VALVE USED FOR BACK-UP OPERATION



DRAWING NOTES:

1. DIRECT DIGITAL CONTROLS (DDC) SHALL BE PROVIDED BY JOHNSON CONTROLS, OR APPROVED EQUAL.
2. DDC FOR THIS PROJECT SHALL BE AND EXTENSION OF, AND SHALL BE COMPATIBLE WITH, THE EXISTING DDC SYSTEM. THE EXISTING DDC SYSTEM IS A JOHNSON CONTROL SYSTEM.

Revisions	Date

**IPD: Engineering**  
INTEGRATED PROJECT DELIVERY

ONE WEBSTER'S LANDING  
SYRACUSE, NEW YORK 13202  
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IPD PROJECT No: 12-7304-8

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Drawing Title  
**MECHANICAL CONTROLS**

Project Title  
**MORGUE RENOVATIONS**

Building Number  
1

Checked  
SBG

Drawn  
NCB

Location  
SYRACUSE, NY

SA # 1134

Date  
04/03/13

Project No.  
528A7-12-710

DRAWING NO.  
**M-701**

Dwg. 27 of 35

